

List of reference numerals

| | |
|---|-------------------------------------|
| 1 | Photodetector arrangement |
| 2 | Photodetector unit |
| 4 | Compensation unit |
| 6 | Differential unit |
| 8 | Amplifier unit |
| 10 | Differential module |
| 12 | Limit value module |
| 14 | Photonic mixer detectors |
| 16 | Photo element |
| 18 | Reset switch |
| 20 | Selection line |
| 22 | Output line |
| "1" | State |
| A, B | Signal paths |
| $C_{\text{Sig}\ 1},\ C_{\text{Sig}\ 2}$ | Integration capacity |
| E | Electrical signals |
| E_{DC} | Stray light |
| G_{Komp} | Constant component compensation |
| $G_{\text{Komp Max}}$ | Maximum degree of compensation |
| $I_{\text{Ph A}},\ I_{\text{Ph B}}$ | Photo currents |
| $I_{\text{Ph MAX}}$ | Maximum photo current |
| $I_{\text{Ph MIN}}$ | Minimum photo current |
| k | Amplification factor |
| $k\ I_{\text{Ph A}},\ I_{\text{Ph B}}$ | Currents |
| $K\ S_x$ | Proportionality factor |
| MAX | Maximum value |
| MIN | Minimum value |
| MK_{Max} | Modulation contrast |
| O | Optical signals |
| $S_1,\ S_2$ | Measuring signals with compensation |

| | |
|--|--|
| S'_1, S'_2 | Measuring signals without compensation |
| $S_{1\Delta}$ and $S_{2\Delta}$ | Portions of wanted signal |
| $S_1 > S_2$ | Maximum value |
| $S_1 < S_2$ | Minimum value |
| S_{GL} | Constant components |
| S_{mGL} | Measurable constant components |
| S_{MIN}, S_{MAX} | Signals |
| SS_1, SS_2 | Switches |
| S_x | Signals |
| $T_{SS1}, T_{SS2}, T_{SS3}$ | Times |
| $V_c \text{ sig } 1, V_c \text{ sig } 2$ | Signal courses with compensation |
| $V'c \text{ sig } 1, V'c \text{ sig } 2$ | Signal courses without compensation |
| $V_c \text{ sig Max} / V'c \text{ sig Max}$ | Signal course for the maximum value with/without compensation |
| V_{Mod} | Signal source |
| W/L | Width-length-ratio |
| ΔC_{Sig} | Differential signal |
| ΔE_{MOD} | Scenery illumination |
| $\Delta I_{Ph} = I_{Ph A} - k I_{Ph A}$ | . |
| $\Delta I_{Ph} = I_{Ph B} - k I_{Ph A}$ | Differential signals |
| ΔS | Differential signal |
| ΔV_{profit} | Potential differences |
| $\Delta V_c \text{ sig}, \Delta V'c \text{ sig}$ | Differential signals |

USPS EXPRESS MAIL
EV 511 024 531 US
MARCH 11 2005